



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



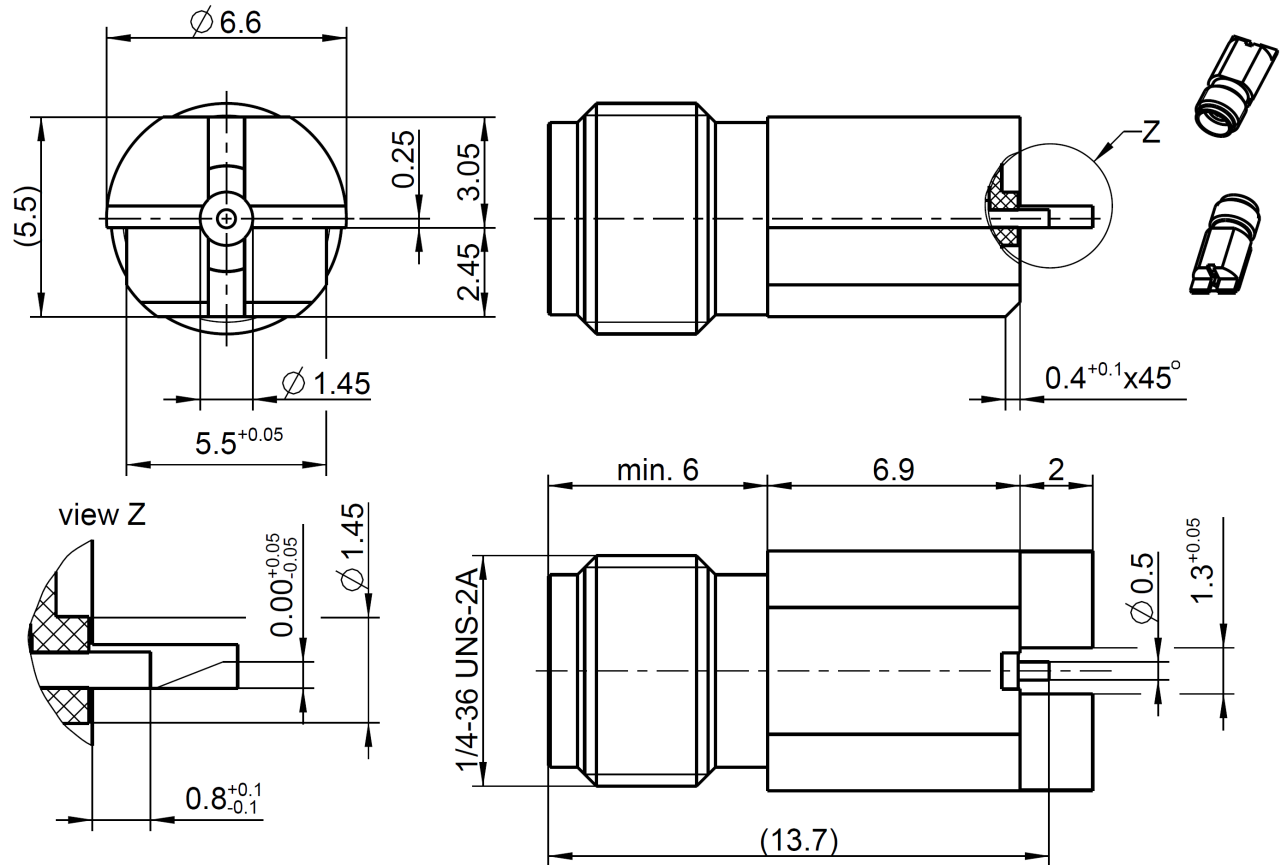
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





All dimensions are in mm; tolerances according to ISO 2768 m-H

### Interface

According to  
Mechanically compatible with

IEC 61169-35  
RPC-3.50 and SMA

### Documents

PCB layout

B 390

### Material and plating

#### Connector parts

Center contact  
Outer contact  
Dielectric 1  
Dielectric 2

#### Material

CuBe  
Brass  
PEEK  
PTFE

#### Plating

AuroDur®, gold plated  
AuroDur®, gold plated

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RF\_35/05.10/6.1

Technical Data Sheet				Rosenberger			
RPC-2.92		Right Angle Jack PCB		02K249-40ML5			
<div>Electrical data</div> <div><div>Impedance</div><div>Frequency</div><div>Return loss</div><div>Insertion loss</div><div>Insulation resistance</div><div>Center contact resistance</div><div>Outer contact resistance</div><div>Test voltage</div><div>Working voltage</div><div>RF-leakage</div></div> <div><div>50 Ω</div><div>DC to 40 GHz</div><div>≥ 14 dB, DC to 40 GHz</div><div>≤ 0.05 x √f(GHz) dB</div><div>≥ 5 GΩ</div><div>≤ 3.0 mΩ</div><div>≤ 2.0 mΩ</div><div>750 V rms</div><div>250 V rms</div><div>≥ 100 dB up to 1 GHz</div></div> <div>- VSWR in application depends decisive on PCB layout -</div>							
<div>Mechanical data</div> <div><div>Mating cycles</div><div>Center contact captivation</div><div>Coupling test torque</div><div>Recommended torque</div></div> <div><div>≥ 500</div><div>≥ 20 N</div><div>max. 0.60 Nm</div><div>0.50 Nm</div></div>							
<div>Environmental data</div> <div><div>Temperature range</div><div>Thermal shock</div><div>Corrosion</div><div>Vibration</div><div>Shock</div><div>Moisture resistance</div><div>Max. soldering temperature</div><div>RoHS</div></div> <div><div>-40°C to +85°C</div><div>MIL-STD-202, Method 107, Condition B</div><div>MIL-STD-202, Method 101, Condition B</div><div>MIL-STD-202, Method 204, Condition D</div><div>MIL-STD-202, Method 213, Condition I</div><div>MIL-STD-202, Method 106</div><div>IEC 61760-1, +260°C for 10 sec.</div><div>compliant</div></div>							
<div>Tooling</div> <div>N/A</div>							
<div>Suitable cables</div> <div>N/A</div>							
<div>Weight</div> <div>2.2 g/pce</div>							
<div>While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.</div>							
Draft		Date		Approved		Date	
M.Scherbauer		23.10.14		M.Moder		03.06.16	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Rev. a00		Engineering change number 16-s179	
				Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de		Name Manfred Ruf	
						Date 03.06.16	
						Page 2 / 2	